

ABSTRACT OF THE DISCLOSURE

An apparatus for manufacturing an anisotropic formed body in which functional, magnetic fine particles are oriented in a specific direction within a matrix and in which anisotropy is given to properties attributable to the functional fine particles. The apparatus allows use of a wide variety of materials as the functional fine particles and realizes an anisotropy which is parallel and of a uniform interval within a large area. Further, a method for manufacturing an anisotropic formed body, includes applying, by using a superconducting magnet device, a uniform and parallel magnetic field with magnetic lines of force at equal intervals and parallel to each other, to a mold in which the matrix is filled with a liquid molding material containing functional, magnetic fine particles, to orient the functional fine particles in a direction of the magnetic lines of force, whereby the liquid molding material subsequently hardens.